



Arizona Department  
of Water Resources

# Water System Requirements HB 2277

*Working together to ensure a long-term, sufficient and  
secure water supply for the State*

*April, May 2006*

# Purpose of New Requirements

## For Water Systems:

To reduce the system's vulnerability to drought, and to be prepared to respond to drought conditions

## For the State:

To gather water use information so the State can provide regional planning assistance to prepare for, mitigate and respond to drought

## In response to:

- Drought conditions
- Governor's Drought Task Force recommendations and AZ Drought Preparedness Plan
- Increased demands for limited resources

**NOT for Regulation**



# Three Requirements

***Maintain* water use records**

***Submit* annual water use data**

***Submit* a System Water Plan**

***A community water system serves at least 15 service connections used by year-round residents of the area served, or regularly serves at least 25 year-round residents.***

# Maintaining Records



***Maintain* water  
use records**

***Submit* Annual  
Water Use  
Report**

***Submit* a  
System  
Water Plan**

- Water Supply Plan
- Drought Preparedness Plan
- Water Conservation Plan

- **Water withdrawals**

- **Diversions**

- **Deliveries**

**Non-metered can estimate**

- **Maps**

**Service area**

**Distribution system**

# Annual Reporting

***Maintain* water  
use records**

***Submit* Annual  
Water Use  
Report**

***Submit* a  
System  
Water Plan**

- Water Supply Plan
- Drought Preparedness Plan
- Water Conservation Plan

**Handout  
#1**

**EXEMPT IF...**  
submitting Annual Report to ACC,  
or inside AMA and submitting Annual  
Report to ADWR

**Due yearly on April 15<sup>th</sup>, beginning in  
2007**

**Report:**

**Water pumped or diverted**

**Effluent used or received**

**Water received from another supplier**



# System Water Plan

***Maintain water  
use records***

***Submit Annual  
Water Use  
Report***

***Submit a  
System  
Water Plan***

- Water Supply Plan
- Drought Preparedness Plan
- Water Conservation Plan

## **Three Components**

**Water Supply Plan**

**Drought Preparedness Plan**

**Water Conservation Plan**

# System Water Plan

***Maintain water  
use records***

***Submit Annual  
Water Use  
Report***

***Submit a  
System  
Water Plan***

- Water Supply Plan
- Drought Preparedness Plan
- Water Conservation Plan

## Due Dates

**Small Systems**  
(≤1,850 customers)  
**ADWR is providing form**

**January 2008**  
Updates due 2012, 2016,  
2020

**Large Systems**  
(>1,850 customers)

**January 2007**  
Updates due 2011, 2015,  
2019

**Joint Plan**  
(Two or more systems serving  
residents within a city or town may  
coordinate)

**January 2008**  
Updates due 2012, 2016,  
2020

# System Water Plan: Water Supply Plan

***Maintain* water  
use records**

***Submit* Annual  
Water Use  
Report**

***Submit* a  
System  
Water Plan**

- **Water Supply Plan**
- **Drought Preparedness Plan**
- **Water Conservation Plan**

**Handout  
#2**

**Automatic Exemption if  
Assured Water Supply  
Designation**

**Purpose:**

**To evaluate water supply needs  
and strategy to meet needs**

**May request an exemption  
if Adequate Water Supply Designation,  
and submitted  
info. meets requirements**



# System Water Plan:

## Drought Preparedness Plan

***Maintain* water  
use records**

***Submit* Annual  
Water Use  
Report**

***Submit* a  
System  
Water Plan**

- Water Supply Plan
- **Drought Preparedness Plan**
- Water Conservation Plan

**Handout  
#3**

**No exemptions**

**Purpose:**

**To meet the needs of the  
system during drought or  
water shortage conditions**

# Drought Preparedness Plan



## Examples

### Handout #3 (Part 2)

#### Example 1

- Stage 1 – Drought Alert
- Stage 2 – Drought Warning
- Stage 3 – Drought Emergency
- Stage 4 – Drought Crisis

#### Example 2

- Stage 1 – Mild Drought Conditions
- Stage 2 – Moderate Drought Conditions
- Stage 3 – Severe Drought Conditions
- Stage 4 – Extreme Drought Conditions

# Drought Preparedness Plan

Handout #3  
(Part 3)

Examples

Drought Stage	Implementation Measures
Stage 0 – Normal (Reduce Vulnerability)	<ul style="list-style-type: none"><li>* Discourage developers from requiring turf in residential developments</li><li>* Improve infrastructure and storage facilities, if necessary</li></ul>
Stage 1 – Abnormally Dry (Raise Consciousness)	<ul style="list-style-type: none"><li>* Communicate conditions, increase outreach and provide conservation tips</li></ul>
Stage 2 – Moderate (Voluntary Reductions)	<ul style="list-style-type: none"><li>* Implement water waste ordinances</li></ul>
Stage 3 – Severe (Curtailment)	<ul style="list-style-type: none"><li>* Implement time of day/day of week schedules</li><li>* Impose restrictions on fire and fireworks</li></ul>
Stage 4 – Extreme (Eliminate Essential Water Use)	<ul style="list-style-type: none"><li>* Eliminate outdoor watering</li></ul>

# System Water Plan: Water Conservation Plan

***Maintain* water  
use records**

***Submit* Annual  
Water Use  
Report**

***Submit* a  
System  
Water Plan**

- Water Supply Plan
- Drought Preparedness Plan
- **Water Conservation Plan**

**Handout  
#4**

**EXEMPT:**  
Large municipal providers  
in an AMA

**Purpose:**

**To increase the efficiency of the  
water system, reduce waste, and  
encourage consumer water  
conservation efforts**

**EXEMPT:**  
Small muni providers that demonstrate they  
will be regulated as a large muni  
provider in an AMA prior to Jan. 2012 –  
needs approval  
from ADWR director

# Water Conservation Plan

## Examples

### Handout #4

(Parts 1-3)

Include supply and demand side measures -

- Controlling lost and unaccounted for water:
  - Replacing meters and pipelines
- Water rate structures that encourage efficiency:
  - Seasonal rates, excessive use rates
- Educate customers on drought conditions and conservation measures:
  - Pamphlets, workshops, teacher/student education, encourage replacement of inefficient fixtures

# Review: System Water Plans

All submit a Drought Preparedness Plan

Entity Type		Water Supply Plan	Drought Preparedness Plan	Water Conservation Plan
<b>Inside AMA</b>				
Small Municipal Water Provider	with designated Assured Water Supply		X	X
	with petition to ADWR prior to 1/1/07 that demonstrates it will be regulated as a Large Municipal Provider prior to Jan. 2012	X	X	
	without an Assured Water Supply or Petition	X	X	X
Large Municipal Water Provider	with designated Assured Water Supply		X	
	without designated Assured Water Supply	X	X	
<b>Outside an AMA</b>				
All Community Water Systems		X	X	X



# Review:

## Annual Water Use Reports and System Water Plans

### Due Dates

	Annual Water Use Report	System Water Plan
Small Water Systems (≤1,850 customers)	Every year by April 15 <sup>th</sup> , beginning in 2007	January 2008 Updates due 2012, 2016, 2020
Large Water Systems (>1,850 customers)	Every year by April 15 <sup>th</sup> , beginning in 2007	January 2007 Updates due 2011, 2015, 2019 or January 2008 <u>if submitting a joint plan</u>

# ADWR Review of Submittals

## Annual Report

ADWR will provide written notification to the system only if not filed on time

- **System has sixty days after to submit report**
- **If not submitted, notice to governing bodies within service area**

## System Water Plan

ADWR will review and provide written notification

- **Complies**
  - **May provide recommendations for improvement**
- **Does not comply – system has 120 days for revisions or additions**
  - **Complies**
  - **Does not comply**
    - **Notice to governing bodies w/in service area**

# Statewide Water Conservation Office

## Goals and Assistance:

- **Work with local communities to assess conservation needs and develop new programs**
- **Provide assistance with conservation goal setting**
- **Develop partnerships with businesses & organizations**
- **Conservation messaging**



# Statewide Drought Program

**Provides statewide assistance for drought preparedness, mitigation and response**

- **Assist Community Water Systems**
- **Local Area Impact Assessment Groups**
- **Monitoring Technical Committee**
- **Interagency Coordinating Group**



# Next Steps

## ADWR -

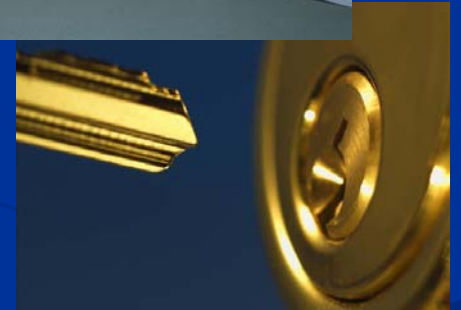
- Web site
- Develop annual report forms
- Guidance Documents
- Web reporting tool

Working Together



## Community Water Systems -

- Initiate drought and conservation planning
- Water use tracking



# Contact Information

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